

Amdt. Dated July 29, 2003

Reply to Office Communication of June 26, 2003, Paper Number 12

REMARKS

Responsive to the Communication dated June 26, 2003, Applicants submit herewith a paper copy of Table 8B, which has been amended to indicate the SEQ ID NOS that correspond to the sequence listing of the present application.

In the specification, the paragraph at page 86, lines 1-7 has been amended to indicate the SEQ ID NOS that are set forth in Table 8B. *No new matter has been added to the application.*

SUMMARY

As the above amendments do not affect the issue of patentability, it is respectfully requested that they be entered.

If a telephone conversation with Applicants' attorney would expedite the prosecution of the above-identified application, the Examiner is urged to call Applicants' agent at (617) 227-7400.

Dated: July 29, 2003

Respectfully submitted,


By 
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TABLE 8B

SEQ ID NO: 3068: found in patent publication WO99/18126 (SEQ ID NO:1)
CGCGGTGGCGGCCGAGGTACAATTTATGCAGAACTTCAGGGATGTTTGTATTCATCAAGA
CAAGAAGATTCATCTCACAGTGGTGTATTTTGGTAAAGAAGGACTGTCTAAAGTCAAGTC
TATCCTAGAATCTGTACCAGTGAGTCTAATTTTACAATTACACCTTGGTCTCATTGAA
TGAAGAATTTAATCGTGGACGAGGACTAAATGTGGGTGCCCGAGCTTGGGACAAGGGAGA
GGTCTTGATGTTTTCTGTGATGTTGATATCTATTTCTCAGCCGAATTCCTTAACAGCTG
CCGGTTAAATGCTGAGCCAGGTAAGAAGGTGTTTTACCCTGTGGTGTTCAGTCTTTACAA
TCCTGCCATTGTTTATGCCAACAGGAAGTGCCACCACCTGTGGAGCAGCAGCTGGTTCA
CAAAAAGGATTCTGGCTTTTGGCGAGATTTTGGCTTT

SEQ ID NO: 3069: found in patent publication WO99/46380 (SEQ ID NO:2)
ACCGCGGTGGCGGCCGANGTACGCGGGAGCCCTCTCACTCCTCACTGAGTCCCTCTGAAC
GTGCTAAATGGGAAGGAGGCGGAGTTTTGCTGATCTGNTAAATTCCTAGTGAAGTTTCC
TCGATTTCCAGTGGCTGCTGTNGTTTGAGTTTGGTTTGGAGCAAACTGAGGTAGTCCTA
ACATT

SEQ ID NO: 3462: found in patent publication WO99/64594 (SEQ ID NO:3)
CCCTTAGCGTGGTTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTT

SEQ ID NO: 3463: found in patent publication WO99/53040 (SEQ ID NO:4)
CCCTTAGCGTGGTTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTACTGCTAAA
CTATATTAACTCATAATAAAAAGTAAGTCAAAATTTANAACATTCTGATCAAAATGG
GTCTGCACATGCCTTTCAAACACCTGCTGGTCATAGTCAGGAGGGAACTGCTCGCTACAC
ATCGGGCACACCTTCCAGTGACTTTCAACATGTTCTTCAAATTTGCTCTGATCATAGTTA
GGAGGAAACATTAACTCACANAGGGGACACTTCTTGTGAACATCAAAGCTGGAATCAAAG
CAAAAGCCTGTNCCATGCCCCAC

SEQ ID NO: 3464: found in patent publication WO99/18126 (SEQ ID NO:5)
CCCTTAGCGTGGTTCGCGGCCGAGGTACTATGCTATTTTACTTTTTTGATATAAAATCAAG
ATATTTCTTTGCTGAAGTATTTAAATCTTATCCTTGATCTTTTTTATACATATTTGAAAA
TAAGCTTATATGATTTGAACTTTTTTGAAATCCTATTCAAGTATATTTATCATGCTATT
GTGATATTTTAGCACTTTGGTAGCTTTTACACTGAATTTCTAAGAAAATTGTAAAATAGT
CTTCTTTTATACTGTAAAAAAGATATACCAAAAAGTCTTATAATAGGAATTTAACTTTA
AAAACCACTTATTGATACCTTACCAT

SEQ ID NO: 3465: found in patent publication WO98/39448 (SEQ ID NO:6)
CCCTTAGCGTGGTTCGCGGCCGAGGTACTTTCCTAGATGACATATCGAGTCAACATGAAGC
CTTANCTGAAATGAATGATTGAGGATATTAATGAGAAATTCACAAATGATATGCATTT
AGGAAATGATTTTGCTTTCTTAAATAGTTCNAAGGCTTGAAAATAAACTTTCTTTTGC
ATTTCTTTNAGAATGNTNGNTCATTAAACAACTTTTAACCTTATCTTCTNTTCTNCTTAG
CCCTTAACAGACNGAGTNCATTCTATGNTGGAAATAACAAGAACTTGA

SEQ ID NO: 3466: found in patent publication WO99/53040 (SEQ ID NO:7)
CCCTTAGCGTGGTTCGCGGCCGAGGTACGCGGGAAGCAGAGCTAGTAATGCTTTTTGAGT
TTCATGTTGGTTTATTTTACAGATTGGGGTAACGTGCACTGTAAGACGTATGTAACATG
ATG

SEQ ID NO: 3467: found in patent publication WO99/53040 (SEQ ID NO:8)
CCCTTTCGAGCGGCCCGCCGAGGTGCTCAAAATATAAGCAGCTTGAACTGGCTTTA
CCAATCTTGAAATTTGACCACAAGTGTCTTATATATGCAGATCTAATGTAAAATCCAGAA
CTTGGACTCCATCGTTAAATTTATTTATGTGTAACATTCAAATGTGTGCATTAAATATGC
TTCCACAGTAAAATCTGAAAACTGATTTGTGATTGAAAGCTGCCTTTCTATTTACTTGA
GTCTTGTAACCTCGGCCGCGACACGCTAAGGG

TABLE 8B

SEQ ID NO: 3468: found in patent publication WO99/18126 (SEQ ID NO:9)
GATATCTGCAGAATTCGCCCTTTCGAGCGGNCGCCCGGGCAGGTACGCGGGAAATAATGC
TTGAATACAAGTGACTAAGCCAACAACAGAATAAATACTTTTATAGTAGTTTATAATCC
TGAAATTCGAAAGCTTTCCCAATTGCACTTGCATCTAAACAAAACGTGTGCAGTTTATAC
TCTATTTATTTTGTTCCTCATGTTTATGAAAGTCCTGCACAGTTTCAAAGGCATGGTAAA
TAATATATCAATGTTTATGTAGTCTGTTACAGAAACAGCTATAGATAACATTATCCAGTG
AAGAGCAAAATCCAAGCTTTAGAAAAATATTCATGCATGCAATTTTGACATATCTTAAAA
AATAGGT

SEQ ID NO: 3469: found in patent publication WO99/55858 (SEQ ID NO:10)
CCCTTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGGATGAAGCAATTGCTGAATTGGATAC
GCTGAATGAAGAGTCTTATAAAGACAGCACTCTGATCATGCAGTTACTTAGGGACAATCT
CACTCTGTGGACATCGGAAAACAGGGAGACGAAGGAGACGCTGGGGAGGGAGAGAACTA
ATGTTTCTCGTGCTTTGTGATCTGTTCAAGTGTCACTCTGTACCTCGGCCGCGACCACGCT
AAGGG

SEQ ID NO: 3470: found in patent publication WO99/57132 (SEQ ID NO:11)
CCCTTTTCGAGCGGCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTGG
GATTCTTGGTAAAATTTATCCAAAAACAGGATACATATATATTTAGAGAAGGAAATAT
GAAATCAAGAGTTTTTGGCAGCCCTGCTTTTTTTTTTTTTTTTAGCTCCCTAAAGACTGTA
GCAGGATAAAAGGATCACTGGCTCCGAGTCTCTTTGAGATAACAAGTGATGAAATAAAAA
AGAAAGCCCATACCCTCAAATAAGGTACAGGTAACCCATTGCCACCCCTCCCTACAAGGN
AA

SEQ ID NO: 3471: found in patent publication WO99/63088 (SEQ ID NO:12)
CCCTTAGCGTGGTCGCGGCCGANGTACAGTGGGAGAGTGAGGTGGGAGAAGAAGAGTGTC
TGGTAGGTGTGCTCACTGTCTTCTTGGCTGANAATGT

SEQ ID NO: 3472: found in patent publication WO99/64576 (SEQ ID NO:13)
CCCTTTTCGAGCGGCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTNTTTTTT
TTTTTTTTTTTTTTAAAAAACTCGGNTTTTATACAATAAAATGTTTTNTAGCANATGCCT
NTTGTTTTAATATATTTAAATTTTGCAAANCCCTTTGAGCTACTGCCTTAGTNTACCCAC
TGNCNTTTTGTATGNGGNAGAGGATNTNATGACNCCNTACACACAAACCCNT

SEQ ID NO: 3473: found in patent publication WO99/04265 (SEQ ID NO:14)
CCCTTAGCGTGGTCGCGGCCGAGGTACATGGGCAATGCTGGACGTAAAGAAAGAGTGAT
GCACTCAATTCTGCAATAGATAAAATGACCAAGAAGACCAGGGACTTGCGTAGACAGCTC
CGCAAAGCTGTCAATGGACCACGTTTCAGATTCTTTCCTGGAACCAATGTTCCACTTTTG
GTATTGATTGAAGCTGCAAAGAATGGAATGAGAAAGAAGTTAAGGAGTATGCCCCAAGTT
TTCCGTGAACATGCCAACAAATGATTGAGGTTGCCAACTTGGCCTGTTCCATCTCAAAT
AATGAAGAAGGTGTAAAGCTTGTTCGAATGTCTGCAAGCCAGTTAGAAGCCCTCTGTCTCT
CAGGTTATTAATGCTGCACTGGCTTTAGCAGCAAAACCACAGAGTAACTGGCCCCAAGAG
AACATGGATCTTTTTAAAGACAATGGGAAAAACAAGTCCGTGTTCTCACAGATGCTGTGCG
ATGACATTACTTCCATTG

SEQ ID NO: 3474: found in patent publication WO99/57144 (SEQ ID NO:15)
CCCTTAGCGTGGTCGCGGCCGAGGTACCAAGATTAACAAAAGCAGTGGCATTGTGGAGGC
ATCACGGATCATGAATTTATACCANTTTATTCAACTTTATAAAGATATCACAAGTCAAGC
AGCAGGAGTATTGGCACAGAGCTCCACCTCTGAAGAACCTGATGAAAACATCCTNTGT
AACATCTTGTCAAGCTATGTCTTTGGATGGGAAGGTGAAGCAGCTGACCGATGAGGAGG
AGNGTNGTATCTGTATGGATGGCGGGCTGACC

SEQ ID NO: 3475: found in patent publication WO99/64594 (SEQ ID NO:16)
CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTT

TABLE 8B

SEQ ID NO: 3476: found in patent publication WO99/53940 (SEQ ID NO:17)
 CCCTTAGCGTGGTCGCGGCCGAGGTACCAAGGTGTGCTGAAGTGGGAAGCAAAGTTCTCCA
 AAGTCCAGCATGGTAGACATCAGTGGTGGTAACCAAGGACAGACCCCAAGGCAAGGTGAA
 CCTCAAAAATGGAACCTCAAGTCTATGCAGTCCAGCTGCCCTCCCCACCAGAAAGTCCTT
 GTTCCAGCCCAACATCANTGCCTCTGAGTTTGTCTTACTAGAAACAAAGGAAGAATTCTCT
 TGTA AAAAATATAGACAGAGTAGTCCCTGGCTTTCTCTCTTGCAGGAAGGATGGATTCTC
 CCATTCCATACCATCTTTGCCCCACACTGGCCCCANGAAATACTTAATTCAACTNTGTGA
 AAATAAAGATTGTTTTTGGTTTTGAGGGGCAAAAAAAAAAAAAAAAAAAAAA

SEQ ID NO: 3477: found in patent publication WO99/06554 (SEQ ID NO:18)
 CCCTTTTCGAGCGGCCGCCGGGCGAGGTACGCGGGGAGTGTCCAGCTGCGGAGACCCGTGA
 TAATGGGGNAACTAATTCAACAAACGGGACCCCTTCTGTGTGCCANAAACCGCAAGCAGTT
 GCTAACCCAGTGGGACAGGCGGATTGGAAGAGCGGGAAGGTCCTGGCCAGAGCAGTGTG
 ACACTTCCCTCTGTGACCATGAAACTCTGGGTGTCTGCATTGCTGATGGCCTGCTTGGT
 GTCC

SEQ ID NO: 3478: found in patent publication WO99/64576 (SEQ ID NO:19)
 ACTTTATTTTTTTTTTTTTTTTTTTTTTTTNNCTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTT

SEQ ID NO: 3479: found in patent publication WO99/48916 (SEQ ID NO:20)
 CCCTTAGCGTGGTCGCGGCCGAGGTACCCGTTGGAATANCGGGTTTTGCAGCAATTGTTG
 CATATGGATTATATAAACTGAAGAGCAGGGGAAATACTAAAATGTCCATTCTATCTGATCC
 ACATGCGTGTGGCAGCCCAAGGCTTTGTTGTAGGAGCAATGACTGTTGGTATGGGCTACT
 CCATGTATCGGGAATTCTGGGCAAAACCTAANCCTTAGAAGAAGAGATGCTGTCTTGGTC
 TTGTTGGAGGAGCTTGCTTTAGTTAGATGTCTTATTATTAAAGTTACCTATTATTGTTGG
 AAAATAAACTAANTTTGTATGGGTTTAGATGGCAAAAAAAAAAAAAAAAAAAAAA

SEQ ID NO: 3480: found in patent publication WO99/64594 (SEQ ID NO:21)
 CCCTTAGCGTGGTCGCGGCCGAGGTACTTGAGTTTCATGGGCATCTCTCCCGCCGCCTCTC
 AGCCTATCTGCACCATGTCTCACACGTTTCAGTTGCAGCTCTTCCGTTTTGAAGGCGCACG
 TGGGCAAGAAGCCCTGGGACAGCACAAGAAAGTCAATCACGTTGAGACAGAGAGAGCAGGA
 GAGGAAGTGGGCCCCAGTAGAAGTGGGCGAGAGAGCGTTGGGTGGGAACGTGGCACGAGA
 GAGAGAAATTATGAGATTGACAGAGAGAGAGAGAGAGAGAGAGAAAGAGAAAGAGAGAGA
 GAAAGAGAAAGAGACAGAGAAAAGAACTATGTTGTTTAAATGCCAGTGGAAAGTCCAT
 GGGGGTGAAAGAGTCCGGCAATGGCCAGGGAGTTTAGCAGCTTGGCGTAATGTCTTCCCA
 CTGTTTTGTCTGTCTTGAGAATAGCATTCACGCGACTGTGTTCCCGCANNAGACGTTA
 GGCCCGCTGCCCACGCCCTTTGAGTCCCCCGGTACCTGCCCGGGCCGGCCGTTCCG

SEQ ID NO: 3481: found in patent publication WO99/64594 (SEQ ID NO:22)
 NGTGATGGATATCTGCANAATTCGCCCTTAGCGTGGTTCGCGGCCGAGGTNC

SEQ ID NO: 3482: found in patent publication WO98/39448 (SEQ ID NO:23)
 CCCTTTTCGAGCGGCCGCCGGGCGAGGTACGCGGGAATCTTCGACAGCTGGGCTGGAACGT
 GAACTCAGTAGCTGAACCTGTCTGACCCGGTCACGTTCTTGGATCCTCAGAACTCTTTGC
 TCTGTGCGGGGTGGGGTGGGAACTCACGTGGGGAGCGGTGGCTGAGAAAATGTAAGGAT
 TCTGGAATACATATTCATGGGACTTTCCTTCCCTCTCCTGCTTCTCTTTTCTGCTCC
 CTAACCTTTTCGCCAATGGGGCAGCACCCTGACGTTTCTGGGCGGCAGTGCAGGCTGCCA
 GGTTCCTGTACCTCGGCCGCGACCACGCTAAGGG

SEQ ID NO: 3483: found in patent publication WO99/64594 (SEQ ID NO:24)
 CCCTTCGAGCGGCCGCCGGGCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTT

TABLE 8B

SEQ ID NO: 3484: found in patent publication WO99/64576 (SEQ ID NO:25)
CCCTTTTCGAGCGGCCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTATT
TTTATTANCAACANACAAAAAAGTTTAT
TGAATACAAAACNTNAAAGGCNTNAACAGTCCTGGGCCCAAAAAATCCATGGCNGGAAGTC
AANANTTNTGCTTNAGGGNCGGCCTGGGCNGCCCTGGAAAAANTCATTGCNCATGANAGN
GATGAGNGCCAGGAAAACANCATNCTCCTGGAANTCCNCCTGNTGGNCACTGTTTTNATC
CAGGCTGCCCATANCTTTTNANCCC

SEQ ID NO: 3485: found in patent publication WO99/64594 (SEQ ID NO:26)
CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTCTTTCTTTTTTTTT
TT
TTTTTTTAAANAAAAAANAAAAANAAAAAANANNAAAAAAANA
AAAAA

SEQ ID NO: 3486: found in patent publication WO99/57144 (SEQ ID NO:27)
CCCTTTCGAGCGGCCCGCCCGGGCAGGTACATGAACAATGTCACAGAACTTTTTTAATTTT
TTGAATAATTATAAGTATCAGTAAAGGAAGTGAAAGACAGGATTGCATTAATAGATAAA
ACGTTTAGGCAATAATTGAACAAAAGAACTCCTGGCATATTTCTAACACTAATGGCAATTT
ACTTATGGTATTTATTTTTCAGTAGTAAAGACCCAGCTTGAATGTAAATTTTGTATAGTGT
AAGTATGAAGAACATAGTGCAACTGTACCTCGGCCGCGACCACGCTAAGGG

SEQ ID NO: 3487: found in patent publication WO99/47663 (SEQ ID NO:28)
CCCTTAGCGNGNCCCGGCCGANGTNCCTGGGTCCAATTGCTGTGATCTCTTTTTTGATCA
GCTGTAACCTCATATGTNGTATTTTATTCTTACTAANAAGAAGTNAATTTTCCANCA
TCACATCCTTNAATGATACTTNGATTTATTATATTCTNAATCNTATANGTAGACAATCNT
CANTGCCCCACTTC

SEQ ID NO: 3488: found in patent publication WO99/04265 (SEQ ID NO:29)
CCCTTTCGAGCGGCCCGCCCGGGCAGGTACATGAACCTCAGGGCCGGTTGTGGCCATGGTCT
GGGAGGGGCTGAACGTGGTGAAGACAGGCCGAGTGATGCTTGGGGAGACCAATCCAGCAG
ATCAAAGCCAGGCACCATTCGTGGGGACTTCTGCATTTCAGGTTGGCAGGAACATCATTC
ATGGCAGTGATTTCAGTAAAAAGTGCTGAAAAAGAAATCAGCCTATGGTTTAAAGCCTGAAG
AACTGGTTGACTACAAGTCTTGTGCTCATGACTGGGTCTATGAATAAGAGGTGGACACAA
CAGCAGTCTCCTTCAGCACGGCGTGGTG

SEQ ID NO: 3489: found in patent publication WO99/54461 (SEQ ID NO:30)
CCCTTGAGCGGCCCGCCCGGGCAGGTACGCGGGATTTAGAAATGGTTTGCCTTAATGGAGA
CAATAGCAGATCCTGTAGTATTTCCAGTAGACATGGCCTTTTAAATCTAAGGGCTTAAGAC
TGATTAGTCTTAGCATTTACTGTAGTTGGAGGATGGAGATGCTATGATGGAAGCATACCC
AGGGTGGCCTTTAGCACAGTATCAGTACCTCGGCCGCGACCACGCTAAGGG

SEQ ID NO: 3490: found in patent publication WO99/55858 (SEQ ID NO:31)
CCCTTAGCGTGGTCGCGGCCGAGGTACACAAGAGTTGTCTTAACAAGCTGCACAACTCA
GGCCGAACCTACGCAGCACACTGCTCCAGAAAAGTTAACTGAAGGAAAAAAGGGTCCAC
ATGAAGTAGGTCTCCTAATGCCACAGGTTAACTCTGTTGTTCTCATGGAATTAATTT
CACTGGCCGCCAGGACGTCNGTGGAATCCTGATCTCCTGG

SEQ ID NO: 3491: found in patent publication WO99/53036 (SEQ ID NO:32)
CCCTTTCGAGCGGCCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTGTGGGAAA
TTTAAATATTTATTTTCAAAACCCCTAAACACTGGAGTATGCTTCACCTAGAAACAGAT
TACAGGACGAATAGCTATAATGAATAAGCAATACAATTTGTATTTGGGATGCAATTGTGT
TGTAAGTTTCAAATAATCAATTTATAAATTTGTTGCTTTTACTTTTACAAAAATATTCA
TTTAACCCATAACATGAGTTGCAAAATTATCTCCAGACTTCTACAGGTGATTATAAACTG
TAATT

TABLE 8B

SEQ ID NO: 3492: found in patent publication WO99/55858 (SEQ ID NO:33)
CCCTTTCGAGCGGCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TATTTTNGTTNAATTTATTTAANACCACCTCCTTACAACCTCCAGAGAGAAAATNCAAAA
CAAGAAACAGACTTGGTTTCAAATGCATAACCAGGTGCTGGAGTTAAAGCATTACTGAT
AACATTGTTACANAANAATGGCAGCTTACTCCAGGGCACCTCAGTATTCCTGAGGAATAA
ACATGATTTCTNTTGTCTCCCGCTGGGATGTTCTCAGGTGAAGTCACTGCTCCTGC

SEQ ID NO: 3493: found in patent publication WO99/46374 (SEQ ID NO:34)
CCCTTTCGAGCGGCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTGGAATTA
AATTTTATTTACATTGATAGAAACCATGAAAAACATTTACACTTCCCATTGTACAGCA
CAATATTTCAATGGAATATTTCTTGCCATAAATAATATCTTGCTGATTTGTANAAGTGAA
ATAACAGTTTATGTTCTTCAAGGTAAAGAAAAATGACATAGTAAATGATTGTTTAAATTT
TTTAAATCCAGACATAAACATATGGCTTCATTATTAACATCCTGTATAGTCCATTACTAA
ATTATTTCCATTATCAATTAGCACCCATTTATAA

SEQ ID NO: 3494: found in patent publication WO99/66041 (SEQ ID NO:35)
CCCTTTCGAGCGGCCGCCCGGGCAGGTACACGTGCTAGGAAAAACAGCTTCAGTGTCTT
TGTTTAAATGTGTTGAAACTCATCTTTTTTAAATCTTGAAAAGCCAATTGTTTACTTGAAAC
TTGAAAATAGCATATTTTCTGTTTTTTGGTTGTTTGTTCATTGTATTAGCACAAATTTA
ATGTAATTCCTGGTTTGGAGGCAGCAAGACCTATGAGCAAGAACTATTTACTTGACCCTC
GTTTTTTTCTCTTGTCTGTGTGGTCTGAAATCTAAACTAGACTTTATTATGATAGAT
TTCCTATAAGCCAATTTCTAATAACAAATA

SEQ ID NO: 3495: found in patent publication WO9931117 (SEQ ID NO:36)
CCCTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGGATCCTGTTCTTGGTCTGATGGGAA
GACGCATGGCAATAAGTGTGCAATGTGTGCTGAGCTGTTTTTAAAAGAAGCTGAAAATGC
CAAGCGAGAGGGTGAAACTAGAATTCGACGAAATGCTGAAAAGGATTTTGCAGGAATA
TGAAAACAAGTGAGAAATGGAAGGCTTTTTTGTACCTCGGCCGCGACCACGCTAAGGG

SEQ ID NO: 3496: found in patent publication WO99/10363 (SEQ ID NO:37)
CCCTTTCGAGCGGCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTCTTTT
CTGAATATTTAATTAGGGCAAAACAAGATATTTGCATGGGATGCTTCTTAAGTCATCTNA
AGTAGTTCCTCCTCAGTCTTAACATGCACTCTCAAATCAACACACCTACCCCAACCCA
ATACTCATCGCTTCACAGTCATCCAGTAAAGTACCTCGGCCGCGACCACCTAAGGG

SEQ ID NO: 3497: found in patent publication WO98/39448 (SEQ ID NO:38)
CCCTTAGCGTGGTTCGCGGCCGAGGTACAGCAATATGCTGCGCTTAAGAGTTTAAGTCAAT
CCTACTTGTGTTGGCATCAGGTCCTTTAGGAGATGTAAAAACCCCTCCTTTCCCATTTGC
ACACGTCACAAACGATTACACACAGGGCTGGGCTGGACAGCTGGCCACAGAGCCCAGCA
AGTCCTTCTCTGGGAGAGAAGAGTTAGGGCTGATACTGAAGGTCTCTTTCACATCTGGGCA
CACGTCTGCCTTCAGGCTGTAAGAATTTCAATTTGTGCGATTGTTAAATAAAACCAGGAGAA
AGCAATGCAGGTC

SEQ ID NO: 3498: found in patent publication WO99/64576 (SEQ ID NO:39)
CCCTTNCCAGCGGCCGCCCGNGCGGGCACTGATTTTAAAACTAATAACTTAAACTGCC
ACACGCAAAAAAGAAAACCAAAGTGGTCCACAAAACATTCTCCTTCTCTGAAGGTTT
TACGATGCATTGTTATCATTAACCAGTCTTTTACTACTAACTTAAATGGCCAATTGAAA
CAAACAGTTCTGAGACCGTTCTTCCACCACTGATTAAGAGTGGGGTGGCAGGTATTAGGG
ATAATATTCAATTTAGCCTTCTGAGCCTTCTGGGCAGACTTGGTGACCTTGCCAGCTCCAG
CAGCCTTCTTGTCCACTGCTTTGATG

SEQ ID NO: 3499: found in patent publication WO99/55721 (SEQ ID NO:40)
CCCTTAGCGTGGTTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT

TABLE 8B

TTTGGTTCCTAAAGCAAGNAACCTTTATTATCATTCCCTTTAAAAANAACCAAGGAAAATTC
ACAACATATGTGAAACACAAACAGCTGNGGTTTAGGAGGTAAACAAAGGACCAACATAGC
CCTGAAATGCAACAGCCNTGAGTGACTTGANCCNCATGTGACTGGGGTTCTGTTAAAAG
GGCAGGCTCCTCCCTCCTAGCCCTGAAGCCCCAGGA

SEQ ID NO: 3500: found in patent publication WO99/41390 (SEQ ID NO:41)
NTT
TTT

SEQ ID NO: 3501: found in patent publication WO99/64594 (SEQ ID NO:42)
CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTATT

SEQ ID NO: 3502: found in patent publication WO98/39446 (SEQ ID NO:43)
CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTNTTTTTTTTTTTTTTTTTTTTTTGGTTTT
NTT

SEQ ID NO: 3503: found in patent publication WO99/64594 (SEQ ID NO:44)
CCCTTTTCGAGCGGCCGCCCGGGCAGGTACAACATTCTGCTCAACCCACAGGCTCCATTC
CCTTTACCACATATTTATAATATGTTTGGGTCACCTCATAGGAGTGAAACACTGTCAGCAT
CAATAGTTAGCAGCACTTCAAATAACATTTTATTGTCCGAATAGAAACCTTAACCTATT
CAATTAGTCCAGTAATCCAAATGGTCTTATTACTTCTATACATAAGATATGATCTTACA
ACATTTATGTAGCTAAATACTTAACCTCCCATGCTTTTTGAGGATCCCAAAGACTTTA
GGGGGTCCCAAGACTTTCAGGGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT

SEQ ID NO: 3504: found in patent publication WO98/41539 (SEQ ID NO:45)
CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTT

SEQ ID NO: 3505: found in patent publication WO98/30695 (SEQ ID NO:46)
CCCTTTTCGAGCGGCCGCCCGGGCAGGTACACAATCTTTTGCCTTTATTTTCGTAAAGTTTT
ATACAGAAGAGAGAAGAGCATGTCTTTACTTGAAAACTCTTGATCAAGAATTTGGGTGG
GAGAAAAGAAAGTGGGTATCAAGGGTGATTTGAAATTTTCTGCAGCATTAAAGCTGGCG
CTTAATAAGAATAAGTAATAATAAGAAATTTCTAACATTCAAAAAAGAAAAAAGAAAAA
AAAAAAGAAAAAANGGTCCCTCGGCCGCGACACNCTANGGG

SEQ ID NO: 3506: found in patent publication WO99/64576 (SEQ ID NO:47)
CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTACATTATA
AAAGCATTTTATGACACATTCTGGAGGTAGTTAGAACCAAAACAAATTTGGGATTGG
GGTGGGGATTCTGTTTTGATGATTANATTTGGGAAACCTTGGGTCTCGTGTGTCAGCAG
GGGCCATGCTGTGGGAAACCTGAAGGCTGATTTGAAGCANAATATANAACCTGCGGCACGG
GAGACCAGGGGCTGGGAATGGGGCTCTCCTGGGAACCAANAATGTGGTTCTGCAATTGG
CTTGGTCT

SEQ ID NO: 3507: found in patent publication WO98/55614 (SEQ ID NO:48)
CCCTTAGCGTGGTCGCGGCCGAGGTACTTTATTTTTTTTTTTTTTTTTTTTTTCTTGACAACC
AGCTATCACCAGGCTCGGTAGGTTTGTGCGCTCTACCTATAAATCTNCCACTATTTTGN
TACATAGACGGGTGTGCTCTTTTACTAGATCTTAGGTAGCTCGTCTGGTTNNGGGGGTCT
TTAGCTTTGGCTCTCCTTGCAAAGTTA

SEQ ID NO: 3508: found in patent publication WO99/64594 (SEQ ID NO:49)
GATGGATATCTGCANAATTCGCCCTTAGCGTGGTCGCGGCCGAGGTACGTAGTNTAGACC
ATATGTGTTGGAGTTGAGACTAGTANGGCTAGGCCACCGNTNNTTTNNAAGCGGCAAA
GACTAGTATNGTAATAGGCACAATATTGGC

TABLE 8B

SEQ ID NO: 3509: found in patent publication WO99/53040 (SEQ ID NO:50)

CCCTTAGCGTGGTCGCGGCCGAGGTACTTNGTANAGATTGACTTCCTAAGCTACTTAAGA
CAACTTGCACCCTAAGCAAAAAATGTACGAACCATTGGAAAAATGAAATTTAGTNGT
TCCAAGTTTCAAAGAAATGTCAACATTTTATTCCATTCAATAAAGAACAAAACCAATNGT
GTTTTTATTACTTTTCATCTGAAACATTCCATGTTTTAATCTGAGCCTTGCANACTTTTCAT
TTGGAGTTTGAACCCGTTTTGGTTGCATTTTATTTTGGAGAACTTAATTAACGTGAGAT
TGGCAATTGAAATGCAG

SEQ ID NO: 3510: found in patent publication WO99/64576 (SEQ ID NO:51)

CCCTTAGCGTGGTCGCGGCCGAGGTACACATTGTATTATATACAAACAAGCAACAACAAA
AAGTTTCATCATGTAAACAAAAGAATATAAATTATAGACATAATTGGAAGTTTCAAACAG
TCCTTAAATCATTGTGAGCTTCTCTAAAAGGCACAGGTCTTGGAGTGTGGGCACAGAGCC
ATTAGTCAGATGTCTGGTGGTCTCCCATAAATAGCAATGTATACTCTTAAGTGGGCTTTT
TGTGAACCTCTGTCGGGTGAATGAGTTAGGCCTCTTAAAGGAATGAAATGCTTTCACATT
TGGGGCAACAAGTAAAAATACTGAAAG

SEQ ID NO: 3511: found in patent publication WO99/64594 (SEQ ID NO:52)

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTNAAT
TCCAACCANAAGCTAAATACAATTGGAACTGGTAAGCACTANTTTTACTCCAAAGGAGT
AGGATCATTCAAATTTACTCCAATAAAAGTNTGCAACCCTTAANCAAAGCTTTTNTTCAT
TTAAAAGGANAAAAAACCCTATNCAGTAGTCTTTCCTTATGTTTCATTGCACAAAA
TGAGTTCTGNTTTTAAACTTTGACACTCAATGGTTAATTTTACAATTNAANATTCACAC
TTTATAACCT

SEQ ID NO: 3512: found in patent publication WO99/64576 (SEQ ID NO:53)

CGCCCTTAGCATGGTCGCGGCCGAGGTACAGAGATAGATGAATGGAAATGGGTAAGGGAG
GTGTTTCATTACATCCATCTAACTGCAAAAATACAAAAGTAAGAAGTCATTGACATGAAGC
AACGACGACCAAGACGTTCTCAGATCTAAAGGTGAATGATCTCAGTCAGCCTGGAAATGC
ACAAGGTGGAAAAATAACATAAAAAAGCCATAAGACCTTGAAGAACATCAATGTCAAAGA
TAAATTCTAAGTCCCAGAGAAAAAAGAATGGGAATCAAATTGACCTCAGACTATACGTG
AGAAACACGGAGAGCCAGA

SEQ ID NO: 3513: found in patent publication WO99/61610 (SEQ ID NO:54)

CCCTTACCAGCGGCCNCCCCGNACAGNNCTCAGGGCCAAAGCGAGGCATNCTTACTGGCT
TACCTNCTAATGGCANCNTACTCTNCTNGANTGTATNANTANCCANNGTAAGGGGTNA
GGATNGTAAGCATAGAAACCACTAGAAAGTGGGCTNAATGNANTTCTTGTGGCCTNAGCT
CAATGCAGTTAGCTGAANAATTGAAAAGTTTTTGTGGANACTTTTATAAACAGAAATG
GAAAGCAGAGTTTTTCATTAAATCCTTTTACCTTTTTTTTTTCTTGGTAATCC

SEQ ID NO: 3514: found in patent publication WO99/24836 (SEQ ID NO:55)

CCCTTTGAGCGGCCCGCCGGCAGGTACAAAATGTATAAGATTAATTTTCTATGTTAGGA
CCATTTGTTTTACCAATTCCATAGAGCTCCAATGTGTAAAAGAAGACACTGATCTAACT
CTTGTGTTAAATATTTAGTAACTCATTTATCTGGAAGAAAGCAAAACAAAACAAAAATAC
AAGGAATAAAATCACTGGGAGTGCTTTTCATTCACTGAATAATGAGTTTTCAGGAGC
ACGTGGATGGTGACATTATATCTTTTACATCTTTATTTTCTGTTCTTTTTTGACTCCTT
ATCAGTGAATTTATCTT

SEQ ID NO: 3515: found in patent publication WO99/46374 (SEQ ID NO:56)

CCCTTAGCGTGGTCGCGGCCGAGGTACTGCCACCAGATTTTTTATTACATCATTTGAAA
ATTAGCAGTATGCTTAATGAAAATTTGTTTCANGTATAAATGAGCAGTTAANATATAAACA
ATTTATGCATGCTGTGACTTANTCTATGGATTTATTCCAAAATGCTTAATCACCATGCA
GTGTCTGTATTTTTATATATGTGTTTCATATATACATAATGATTATAATACATAATAAGAA
TGAGGTGGTATTACATTATTCCTAATAATAGGGATAATGCTGTTTATTGTCAAAGAAAA

TABLE 8B

AGTAAATCGTTCTCTCAATTAATGGCCCTTTTATTTTGGGACCANGCTTTTATTTTCC
CTGATATTATTTCTATTTAATACTCTTTTCTCTCANGGAAAAAANNATANAANNNNNTN
TGAAAAGTCCTGCC

SEQ ID NO: 3516: found in patent publication WO98/54963 (SEQ ID NO:57)
CCCTTAGCGTGGTCGCGGCCGAGGTACTGGAAACAAAATAAAGTTTTCTACATTATTTT
CAGCCTTGGGTTATGGTATAGTTTCTTTGTGTTTGTGCGTAATATGCACATTGCTCTTCTA
GGACCTGTCACCCACCATGGAGAAAAGAGTCTTTTGGTTCCTTTTAACATAAGTGATTA
GTTTAAGAGTATGCTGAGGAGCCACTGGGCTTAAAGAAGGATGTAAATAAGACCCAAATA
CATAGGGACCAGGCGCTGCTTTCTCATGTTCAAAAAGCAGTCCTCCACCACTGAAC

SEQ ID NO: 3517: found in patent publication WO99/64576 (SEQ ID NO:58)
CCCTTTTCGAGCGGCCGCCCGGCAGGTACGCGGGGATCTTGTTGAAGTCAATCCTCAGTTG
GCCACCTCAGAGGAAGAGGCGAAGACTACAGCTAACCTGGCAGTAGATGTGATTGCTTCA
AGCTTTGGTCAGACAAGAGAAGGAGGGCATATTGTCTATGACCAACTTCTACTCCCAGT
TCACCAGATGAATCAGAAAATCAAGCACGTGTGANAATTTAGGAGACACTGTGCACTGAC
ATGTTTCACAACAGGCATTCCANAATTATGAGGCATTGAGGGGATAGATNAATACTNAAT
GGTTGTCTGGGTCAATACTGCC

SEQ ID NO: 3518: found in patent publication WO99/64594 (SEQ ID NO:59)
NGAGCGGCCGCCATNTGTGATGGATATCTGCANAATTCGCCCTTCGAGCGGCC

SEQ ID NO: 3519: found in patent publication WO99/64594 (SEQ ID NO:60)
CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTNNNNTTTTTTTTTTCTT

SEQ ID NO: 3520: found in patent publication WO99/64594 (SEQ ID NO:61)
CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTCTTTGGGNTTTTTTTTTT

SEQ ID NO: 3521 found in patent publication WO99/64594 (SEQ ID NO:62)
CCCTTAGCGTGGTCGCGGCCGAGGNACTTTTTTTTTTTTTTTTTTTTTTTTTT

SEQ ID NO: 3522: found in patent publication WO99/28334 (SEQ ID NO:63)
CCCTTTTCGAGCGGCCGCCCGGCAGGTACAGATCCTGGAAGGACAAAAGATCCTGGCTAA
CTGTTCTTCTCCCTACCAGGTAGACCTGTTTGGTATAGCAGATTTAGCACATTTACTATT
GTTCAAGGAACACCTACAGGTCTTCTGGGATGGGTCCTTCTGGAACTTAGCCAAAATAT
TTCTGAGCTAAAAGATGGTGAATTGTGGAATAAATCTTTGTGCGGATTCTGAATGCCAA
TGATGAGGCCACAGTGTCTGTTCTTGGGGAGCTTGCAGCAGAAATGAATGGGGGTTTTTG
ACACTACATTCCAAAAGTCACCTTGAACAAAAGCCTTAT

SEQ ID NO: 3523: found in patent publication WO99/35158 (SEQ ID NO:64)
CCCTTTTCGAGCGGCCGCCCGGCAGGTACGAATTTGGTCAGGCTCTCTCACTGGCTGGG
CTGCTGCTTCTCTCTGCCTTCTGGGAGGTGCCCTACTTTGCTGTTCTGTCCCCGAAAAA
CAACCTCTTACCAACACCAAGGCCCTATCCAAAACCTGCACCTTCCAGCGGGAAAGACT
ACGTGTGACACAGAGGCAAAAAGGAGAAAATCATGTTGAAACAAACCGAAAATGGACATTG
AGATACTATCATTAACATTAGGACCTTAGAATTTTGGGTATTGGAAATCTTGAAGTATGG
GTATTTTCAAACAAACAAACAAACAAACAAACAAACAAACAAACAAACAAACAAACAAAC
CNTAAACAATGGGCTTTAAATCTTATTTTTTTAAT

SEQ ID NO: 3524: found in patent publication WO99/11293 (SEQ ID NO:65)
CCCTTTGAGCGGCCGCCCGGCAGGTACGCGGGGCCCTTGGACCACCTTCATGTTAGTTGG
GTATTATAAAATAAGAGATACAACCATGAATATATTATGTTTATACAAAATCAATCTGAAC
ACAATTCATAAAGATTTCTCTTTTATACCTTCTCACTGGCCCCCTCCACCTGCCCATAG
TCACCAAATTCGTTTTAAATCAATGACCTAAGATCAACAATGAAGTATTTTATAAATGT
ATTTATGCTGCTAGACTGTGGGTCAAATGTTTCCATTTTCAAATTATTTAGAATTCCTTAT

TABLE 8B

GAGTTTAAAAATTTGTAAATTTCTAAATCCAATCAT

SEQ ID NO: 3525: found in patent publication WO99/46375 (SEQ ID NO:66)
 CCCTTTTCGAGCGGCCCGCCGGGCAGGTACTTTTTTTTTTTTTCTTTTTTTTTCTTAATTA
 CGCATTTTAAATATCAATATGTGCATTTGTTTTTACAGTTATAAAATTTTTTCTCACCTG
 TTTTAGACAACAGCTTGTAATAGTTTTGAATCCATTAAGATGTTGCTTTCAATTTGAAAT
 ATTTTGTGTATACATGTATATAAAAAATAACCCAATGTATGACTCATCTGACCGATGTTT
 AAGATCAATAACGGCTTATTTTTCAACATGCAGTTAGGAAGAGAGGGAAGCAAACCAACC
 TNTNTACAGTATCTTTTTTGCTGGCTTGTTT

SEQ ID NO: 3526: found in patent publication WO99/64594 (SEQ ID NO:67)
 CCCTTTTCGAGCGGCCCGCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT

SEQ ID NO: 3527: found in patent publication WO99/64584 (SEQ ID NO:68)
 CCCTTAGCGTGGTCGCGGCCGAGGTACACTATTAGTGGGAAAGTAAATTAGTATAGTTGC
 TATGGAGAATAGGATGGAGTTTCCTCAAGTAAACTAATTATTGNAATTACCATATGATTG
 AACAAATCACATGGCTGGATATATATCTAAAAGAAAAGAAATCAGTATATTTGAAGAGATA
 CCTGCACTCTCATGTTTATTGCAGCACTGTTTACAGTAGTCAAAGGTTTTATGAAGCCAC
 ATAGCCTTGTTAGTAAGCTCAAGAGTACCTGCCCCGGGCGGCCGCTCGAAAGGG

SEQ ID NO: 3528: found in patent publication WO99/64594 (SEQ ID NO:69)
 CCCTTAGCNTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTACTTT

SEQ ID NO: 3529: found in patent publication WO98/39448 (SEQ ID NO:70)
 CCCTTAGCGTGGTCGCGGCCGAGGTACTGTGGGAAGGGGAGTTGGGCACTCTTGGAGGAC
 TCCTGCTGAAGGTGGTCAGCCTGCCTGACAATGGAAGACATACTTGAATGGGGAGCAGGG
 TATGTGCTTTCATATGAAAAAGAGCTGATGTTAAACTCATTGGTGAGGTCAACGTTG
 TCACATACCTTACATAAGGGATAGTATATTTGGGTGTCAGTCAAACCTTGCTCAGAC
 TGGTGAAACTGNGAGTCAGGCTTTACATTTTAAANAGAAAATACAGTTTTTTCA

SEQ ID NO: 3530: found in patent publication WO99/64594 (SEQ ID NO:71)
 CGGCCGCCAGTGTGATGGGATATCTGCAGAATTCGCCCTTAGCGTGGTCGCGGCCCGAGG
 TACTTTTTTTTTTTTT

SEQ ID NO: 3531: found in patent publication WO00/00610 (SEQ ID NO:72)
 CCCTTTTCGAGCGGCCCGCCGGGCAGGTACTGAAAATCTTACGGAGAGTTAAAAATAATAC
 TAATCCTCGCCCGGCTGAACTGGAATTCTTGCAGTTACAAAGTAAAAATTTCAAGTAAAC
 ACTGTATTTTTCACTTTTTGTAGACAGACACAGTGCAGATACAAACAGCTGCCATATCTC
 ACCTCAGATGAAGCTATGTGTCAATGCTTAGGGAAAATGATCTTAGATAATTTCCCAATT
 TTATAGAGCTTAAATCTTTGAAAACAGCACTAATACTGCTGGTTGACTGGCTATCTACAA
 CAGCAAAGTGAACATAAAGTTTTGACGATGAGAGGTTTCCCAAAGAACTAATATA

SEQ ID NO: 3532: found in patent publication WO99/64594 (SEQ ID NO:73)
 GTGTGATGGATATCAAGCAGAATTCGCCCTTGAGCGGCCCGCCGGGCAGGTACTTTT

SEQ ID NO: 3533: found in patent publication WO99/63069 (SEQ ID NO:74)
 CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTGCTCTGTT
 TTATAAATACATGTGTTCAAACAATCTTGATTAGGAGCATTTAATCACGAAGCCAACAC
 ATGTTACTGCGTATCTGTTTAAATCTGGTAGTTGCTTAATGGGACCAACAGCAGCAATA
 GCTGGACTCCTATTATAAATGTATTTGGTACCTGCCCCGGGCGCCGNTCNAAGGGCN

SEQ ID NO: 3534: found in patent publication WO98/31815 (SEQ ID NO:75)
 CCCTTTTCGAGCGGCCCGCCGGGCAGGTACGCGGGGTTCTGAAGCGGCGGCCAGAGAAGA
 GTCAAGGGCACGAGCATCGGCCATGCCTTTCTTGGACATCCAGAAAAGGTTGCGCCTTAA

TABLE 8B

CATAGATCGATGGTTGACAATCCAGAGTGGTGAACAGCCCTACAAGATGGCTGGTCGATG
CCATGCTTTTGA AAAAAGAATGGATAGAATGTGCACATGGAATCGGTTATACTCGGGCAGA
GAAAGAGTGCAAGATAGAATATGATGATTCGTAGAGTGTGCTTCGGCAGAAAACGAT
GAGACGTGCAGGTACCTCGGC

SEQ ID NO: 3535: found in patent publication WO99/64594 (SEQ ID NO:76)
GATATCTGCAGAATTCGCCCTTAGCGTGGTCGCGGCCCGAGGT

SEQ ID NO: 3536: found in patent publication WO99/53040 (SEQ ID NO:77)
CCCTTTGAGCGGCCGCCCGGGCAGGTACGCGGGTCCAATGAGGAGAGGAATCTTCTCTCA
GTTGCTTATAAAAATGTTGTAGGAGCCCGTAGGTCATCTTGAGGGTTCGTCTCAAGTATT
GAACAAAAGACGGAAGGTGCTGAGAAAAACAGCAGATGGCTCGAGAATACAGAGAGAAA
ATTGAGACGGAGCTAAGAGATATCTGCAATGATGTACCTCGGCCGCGACCACGCTAAGGG

SEQ ID NO: 3537: found in patent publication WO99/53036 (SEQ ID NO:78)
CCCTTTTCGAGCGGCCGCCCGGGCAGGTACCATGATAGAATACTGCAATTGTGGTCAGAAT
TACAGTATGCACAAAGAATTAAATTAGCATTATTAAAGAGTCCTCACTAAACATTTTCATAT
GATCACACTGAAGAACTGTAACATTCCATAGAGTGAAGTGGTTCAAATTTCTCTTGGGAAT
TTTTACTTTTGTGGCCTTATTTTATGATCCTTTTCATATTTCTTTTGACTTAGAGTATT
AATACATGGCCAAAATAATTTAGTTACTACCTCATACAAACAATATAATGGTTACTACAC
ATCACAGGAACCTAGTTTGGTTTAA

SEQ ID NO: 3538: found in patent publication WO99/54353 (SEQ ID NO:79)
CCCTTTTCGAGCGGCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTCC
ATNCAACTTAAATNCTTTTATTGACAATGTTTTGGAACAATAANCAACAATGCTTANAT
TTTTNATTNAAATTNACTTTCCACATNTNATAANACCTTAAGGTNAAAAAAAATAAAAAAN
AAAAANNAATATNTGAGAATCCATTTNATTAAATAA

SEQ ID NO: 3539: found in patent publication WO99/64594 (SEQ ID NO:80)
CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTGTNTTTTTT
TTNTTTTTTTTTTTTTTTTT

SEQ ID NO: 3540: found in patent publication WO99/03990 (SEQ ID NO:81)
CCCTTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGGGGGTCTGACTGACGGTAACGGGGCA
GAGAGGCTGTTTCGAGAGCTGCGGAAGATGAATGCCAGAGGACTTGGATCTGAGCTAAAG
GACAGTATTCAGTTACTGAACTTTCAGCAAGTGGGCCTTTTGAAAGTCATGATCTTCTT
CGGAAAGGTTTTTCTGTGTGAAAAATGAACTTTGCCTAGTCATCCCTTGAATTATCA
GAAAAAATTTCCAGCTCAACCAAGATAAAATGAATTTTCCACACTGAGAAACATTTCAG
GGTCTATTTGCTCCGCTAAAATTACAGATGGAATTCAAGGCAGTGCAGCAGGTTTCAGCGT
CTTCCAT

SEQ ID NO: 3541: found in patent publication WO99/64594 (SEQ ID NO:82)
CCCTTTTCGAGCGGCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTT

SEQ ID NO: 3542: found in patent publication WO99/03990 (SEQ ID NO:83)
CCCTTAGCGTGGTCGCGGCCGAGGTACAAAAGGCCAAAAAAGTCCCAAAAC
ACCAAGAGACAAAAGGTAGGAGGAAAGACAAGAAAGGAAGATACAAAAGGAGCAGGAAGA
AACTTACTTAGGGACAAGATTAGCA

SEQ ID NO: 3543: found in patent publication WO99/64594 (SEQ ID NO:84)
CCTCTACATGCATGCTCGAGCGGCCCATTTGTNATGGATATCTGCANAATTCTC

TABLE 8B

SEQ ID NO: 3544: found in patent publication WO99/64594 (SEQ ID NO:85)
CCCTTAGCGTGGTCGNTNCTCGAGGTNCTTTTTTTTTTTTTTTTTTGNTTTTTTTTTGT
NTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT

SEQ ID NO: 3545: found in patent publication WO99/57132 (SEQ ID NO:86)
CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTGGGTNT
TT
TTTTTGGNAAAAAAAAATAAANTTTTNNTTTTTTT

SEQ ID NO: 3546: found in patent publication WO99/03990 (SEQ ID NO:87)
CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGGAAACGGAAGTGAGCGCGGGGTGCGAC
TGACGGTAACGGGGCAGAGAGGCTGTTCGAGAGCTGCGGAAGATGAATGCCAGAGGACT
TGGATCTGAGCTAAAGGACAGTATTCAGTTACTGAACTTTCAGCAAGTGACCTTTTGA
AAGTCATGATCTTCTCGGAAAGGTTTTCTTGTGTGAAAAATGAACTTTGCCTAGTCA
TCCCTTGAATTATCAGAAAAAATTTCCAGCTCAACCAAGATAAAATGAATTTTCCAC
ACTGAGAAACATTGAGGCTCTATTTGCTCCGCTAAAATTACAGATGGAATCAAGGCAGT
GCAGCAGGTTGAGCGTCTTCCATTCTTTCAAGCTCAAATCTTCACTGGATGTTTTGAG
GGGTAATGATGAGACTATTGGATTGAGGATATTCTTAATGATCCATCACAAGCGAAGT
CATGGGAGAGCCACACTTGATGGTGAATATAAACTTGGTTTACTGTAATAAGTGTGCTG
NTCATGGAAACCGAAGGGCTGCATCTTGTTTATAGTCATCTTGTCTGCCCCGGGCC

SEQ ID NO: 3547: found in patent publication WO99/54448 (SEQ ID NO:88)
CCCTTAGCGTGGTCGCGGCCGAGGTACAGTTTGAATACTATTTTTTATCAAGTTTATA
AAAATGCAGAATTTTGTTTTACATTTTTTTTTTTTTTAAAGCTATGTTGTAGCACACA
GAACACTTCATTGTTGTTTTTGGGGGAAGGGGCATATGTCACATAAGATGTCTCCAAA
GCTGGATTGATGTGGAGAAAACACCTTCCCTTCTAGTTTTGAGAGACTTCTCTTGGCT
CCCAGGAGGAGGGATTCCCTGACTTTGACACACATGGCCACCTTGGCACAAAAGCCTTGT
GGTATAGAAAAACAAATTTGTTTTTATGTCTCTTCTCCCTTCCATCTTTCAGCATAGA
CTTAACCTCCATAAGCCCAGACATCTGTTGAGACCTGACCCCTAGTCATTGGTTACCAGT
GTGTCAGGCAATCTGGACTTTCAGTGATGCCACTGAGATGGCACCTGTCAAAAGAGCAG
TGGTTCCATTTCTAGATTGNGGATCTTCANATAAATTCTGCCATTTTCATTTCACCTTCT
GAAAGTCAGGGTCTGGCTT

SEQ ID NO: 3548: found in patent publication WO98/33916 (SEQ ID NO:89)
CCCTTTTCGAGCGGCCGCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTGT
TT
TTTTTTTTTTTTTTTTTTTTTTTTTNCNNAAAAAANTTNAAAANTTTNNNAAAACNNAAAA
AAAAAAAAAAAAAAAAANGGAAAAAAAAAAGGGGGGAAAAAAAAAAAAAAAAAAT
NGGGGNCCNNGGGGG

SEQ ID NO: 3549: found in patent publication WO99/54460 (SEQ ID NO:90)
CCCTTCGAGCGGCCGCCGGGCAGGTACTAATTTGTTTCTTTATATAGTTTGCCTTTGA
TATTAGTGCTTGCAATTGTATTAAAGTCAAAAGCTGATTTTTATGGCATAACACAAGAATG
CCACTTTTTCTTTATTTTACACCAATAATTTAAAGATTGATATGCTAAAAACAATTTGC
ACAGCACTAAAGCATGAGCTACTTTCATCTAAACCTGTAAAAATATGAAAGATTTTATA
TTTTTCACTGGGAAGAAATCTTCTCGGATGAAATTACAAATATGTGTAGAAATATATT
AATAAAAGACTTATAAAATACCTAACTACAGGACTTAAATATAGATTGGCGCGTAGTAT
ATAGAACAATATTCATATAAATAAGTTTAGCCTTTATAAAATGAAGTTGCAGGCTGAC
ATTACATTCTGTACCTCGGCCGCGACCACGCTAAGGG

SEQ ID NO: 3550: found in patent publication WO99/51727 (SEQ ID NO:91)
CGGCCGCCCGGGCAGGTACGCGGGGAGCTACAAGTTTAGCAACTCGGGGAGCAGAATCAC
CTGTGCAAAACAGGACTCCTGCAGAAGTCAACTGTGTGAGTGAGATAAGGCTGCTGCCAC
CTGTTTGTCTAGAAACANGACGACCTACAATAAAAAGTACCTTGGCCGCTCTAG

TABLE 8B

SEQ ID NO: 3551: found in patent publication WO00/00608 (SEQ ID NO:92)

CCCTTAGCGTGGTCGCGGNTCGAGGTNCCTCAAAACACTGGAATGAAAAATGAAAAACA
GCCAACAGGGGAANAGTGTGCGACCCAGGAGAAAGTTAATGCAACAGGACCACAGTTTCGTG
AGTGGAGTGATTGTGAAGATCATTAGCACAGAGCCTCTACCTGGCAGGAAACAAGTCCGG
GATACTTTGGCAGCAATCTCAGAAAGTTCTTTATGTTGATTGTGCTAGAAGGGGATACAGAA
TGCCATGCTAGATTTAAAACTCCTGAGGATGCTCAAGCAGTAATAAATGCCTATACANAA
ATTTACATTGAAACACTTGCTGGAACTCNAGATCCTTTTNTGGTGATCACGAACAAAGG
TATTGGCAGAAGATTTT

SEQ ID NO: 3552: found in patent publication WO99/53040 (SEQ ID NO:93)

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACGGCATTCTGGAATAAAGCAAGAGTGTTTCATT
CACACACACAGTAGCTTCAAACTGTTTCGATCTGTTTGTTCCTCATGTAGTTTCTAAAGA
TGGAAAAAAGGACTTTGGTCATCAAGACTACTGTGGCCATATTAGATTACTGGAACATC
TAAGCATCAGTGTGTGACCATGCGAACAAAAGACTTCGGGGAGTGCTATTTTAAAAAG
GTTTATGTGTGTCGAGGCAGTTGTAAAAGATTTACTGCAGAATCAAGCCCACTTTTAGGC
TTAGGACCAGGTTCTAACTATCTAAAAATATTGACTGATAACAAAAAGTGTTCTAAATGT
GCCCGGTACCTCGGCCCGCGACCACGCTAAGGG

SEQ ID NO: 3553: found in patent publication WO99/64576 (SEQ ID NO:94)

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGGAGGCATTGAGGCAGCCAGCGCAGG
GGCTTCTGCTGAGGGGGCAGGCGGAGCTTGAGGAAACCGCAGATAAGTTTCTCTTTG
AAAGATAGAGATTAAACAACACTACTTAAAAAATATAGTCAATAGGTTACTAAGATATTGC
TTAGCGTTAAGTTTAAACGTAATTTTAATAGCTTAAGATTTTAAAGAGAAAATATGAAGA
CTTANAAGAGTAGCATGAGGAAGGAAAAGATAAAAGGTTTCTAAAACATGACGGAGGTTG
AGATGAAGCTTCTTCATGGAGTAAAAAATGTATTTAAAAGAAAATTGGGAGAAGGGGACTA
CAGAGCCCCGAATTAAATACCAATAGAAGGGCAATGCTTTTAGATTAAATGAAGGTGACT
TAAACAGCTTAAAGTTTAGTTTAAAAGGTTGTAGGTGATTAAAATAATTTGAAGGCGATC
TTTTAAAA

SEQ ID NO: 3554: found in patent publication WO99/54461 (SEQ ID NO:95)

ATGGATATCTGCAGAAATTCGCCCTTTTCGAGCGGCCCGGCCGAGGTACGCTGCTTGGAC
TTATTTTCTAATGCAGCCCACTGGGCTTCAAAAGGATCCACTGGGCAGGTGCCTGTAGGA
ACCTCTGTATGCCGTGCTGCTGAGGCCAACCTGCCATCATCTACACCATTGAAAGCTGCA
GAACCGTTGAGGTGCTGAGCAGGAGGCTTAAAGAAGGGGCTGGT

SEQ ID NO: 3555: found in patent publication WO99/46375 (SEQ ID NO:96)

AGCGGCCGCCCGGNCAGGTNCATACTATTCTGCACTTTTCCACCAAAAGCANTGGTGTGN
NATGCTTGTTATATAAAAAAAGTTATATCCTGTGGCAGGAAAAACCTTNCCTTTCACT
TTTACTAAACAACCTGGAGAAAATGTTCAAGTCTGTATAAAGTTGCCTATAAGCTGGAAAG
TGAAGTTGTTCAATCTNCATTTACATTTNANNGCATTTTTTGACAATTGTCACATTTTAA
ACAAAAGTAAGAAAATGCATATAGCACTAAAGAGTGTTTCATCAAATGCTTAAGGGAT

SEQ ID NO: 3556: found in patent publication WO98/14596A (SEQ ID NO:97)

CGACCACGCGTCCGCNCAACCCACCAACGCCACGCTCAGCACCTTCATTGAGGACCTGAA
GAAGTACGGGGCTACCACTGTGGTGCGTGTGTGTAAGTGACCTATGACAAAACGCCGCT
GGAGAAGGATGGCATCACCGTTGTGGACTGGCCGTTTGACGATGGGGCGCCCCCGCCGG
CAAGGTAGTGGAAGACTGGCTGANCTGGTGAAGGCCAAGTTCTGTGAGGCCCCCGNCAG
CTGCGTGGCTGTGCACTGCGTGGCGGGCCTG

SEQ ID NO: 3557: found in patent publication WO99/04265 (SEQ ID NO:98)

TCGCCCCGCGTCCGGACCCCAACTTAAACATACTGAGAATCTTTCAGCNCGCCCTGGAG
GGAGGGCCAGCGTGACACCAANGAGGCTGANGGCGCCCCCAGGTGGA

TABLE 8B

SEQ ID NO: 3558: found in patent publication WO99/53040 (SEQ ID NO:99)
 CGCCCCGCGTCCGTTCTTTTGTCTATTTGCTGTTGATTGTACCAAGGGATGGAAGAAGTA
 AATATAGCTCAGGTAGCACTTTATACTCAGGCAGATCTCAGCCCTCTACTGAGTCCCTTA
 GCCAAGCAGTTTCTTTCAAAGAAGCCAGCAGGCGAAAAGCAGGGACTGCCACTGCATTTTC
 ATATCACACTGTTAAAAGTTGTGTTTTGAAATTTTATGTTTAGTTGCACAAATTGGGCCA
 AAGAAACATTGCCTTGAGGAAGATATGATTGGAAAATCAAGAGTGTAGAAGAATAAATAC
 TGTTTTACTGTCCAAAGACATGTTTATAGTGCTCTGTAAATGTTCCCTTTCCTTTGTAGTC
 TCTGGCAAGATGCTTTAGGAAGATAAAAGTTTGGAGAGAACAAACAGGAATTCTGAATTA
 AGCACAAGAGTTGAAGTTTATACCCGTTACATGCTTTTCAAGATGTCNCAATTACTAA
 GAAGCAGATAATGGTGTTTTTTAGAAACCTAATTGAAGTATATTCAACCCAAATACTTT
 AATGTATAAAATAAAATATTATNCCAATATACCTTGATGCAAGTTTCTGNTTTACATTT
 TGATTTTTTNCAAAT

SEQ ID NO: 3559: found in patent publication WO99/46375 (SEQ ID NO:100)
 CCCTTTTCGAGCGGCCGCCCGGGCAGGTACATACTATTCTGCACTTTCCACCAAAAGCAG
 TGGTGTGTTATGCTTGTATATAAAAAAGTTATATCCTGTGGCAGGAAAAACCTTTCT
 CTTTCACTTTTACTAAACAACTGGAGAAAATGTTCAAGTCTGTATAAAGTTGCCTATAAG
 CTGGAAAGTGAAC TTGTTCAATCTCCATTTACATTTTAGTGCAATTTTGGACAATTGTCA
 CATTTTTTAACAAAAGTAAGAAAATGCATATAGCACTAAAGAGTGTTCATCAAATGCTTA
 AGGGATTAAAAAATATGGAGCAGAGAACAAAATCATTGTGAATGGATGAAC TTGTGTAAA
 ATGAAAAAAGTCCAGGCAAAGTTGTTACAAGTCTTTTGTCACTTTGATGAGTCACAGAAA
 ATGAAC TTTGGATACCTGTCCACTTTAAGGGTTTTTTCCTTAATCTTTTGC

SEQ ID NO: 3560: found in patent publication WO99/21994 (SEQ ID NO:101)
 CCCTTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGGGACTATATTCTGGAGTCTATGCCT
 CATACCCACATTCACTGGTTTAGCATTATGAATCCCTGGTCATTGTTCTCTTCTTATCT
 GGAATGGTAGCTATGATTATGTTACGGACACTGCACAAAGATATTGCTAGATATAATCAG
 ATGGACTCTACGGAAGATGCCAGGAAGAATTTGGCTGGAACTTGTTCATGGTGATATG
 TTCCGTCTCCAAGAAAAGGATGCTGCTATCAGTCTTTCTAGGATCCGGGACACAGATT
 TTAATTATGACCTTTGTGACTCTATTTTTTCGCTT

SEQ ID NO: 3561: found in patent publication WO98/25957 (SEQ ID NO:102)
 CCCTTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGGATCATAGGCTGTTTTAAGTTAGAAA
 ACTGAATAGCAACACTGAATACTGTAGAAAATGCACTTTGCTCAGTAATACTTGAGTTGTT
 GCAATATTTGATTATCCATTTGGTTGTTACAGAAAAATTCTTAAC TGAATTGATGGTTG
 TTGCCGTAATAGTATATTGCCTGTATTTCTACCTCTAGTAATGGGCTTTATGTGCTAGAT
 TTTAATATCCTTGAGCCTGGGCAAGTGACAAAGTCTTTTTTAAAGAAACATGGTTTACTT
 GCACAAAAC TGAATCAGTTTTGAGAGATCGTTAATGCCCTTGAAGTGGT

SEQ ID NO: 3562: found in patent publication WO99/47669 (SEQ ID NO:103)
 CCCTTAGCGTGGTCGCGGCCGAGGTACTGCCAGATTCTGTCTAAATGTCTGTCATGTCCAG
 ATTTACTTTGCTTCTGTTACTGCCAGAGTTACTAGAGATATCATAATAGGATAAGAAGAC
 CCTCATATGACCTGCACAGCTCATTTTCTTCTGAAAGAACTACTACCTAGGAGAATCT
 AAGCTATAGCAGGGATGATTTATGCAAATTTGAACTAGCTTCTTTGTTTCAATTCAGTT
 CCTCCCAACCAACCAGCCTTCACTTCAAGAGGGCCACACTGCAACCTCAGCTTAACATGA
 ATAACAAAGACTGGCTCAGGAGCAGGGCT

SEQ ID NO: 3563: found in patent publication WO99/54461 (SEQ ID NO:104)
 CCCTTAGCGTGGTCGCGGCCGAGGTACAAATGTCAAAGAGAAGTATTATTGCATCTAGTA
 AACCTAAGACACAGAGACACGGATATACTATACTCCAGAAAATCACAATATCTACCTCAA
 AGGTGACTAGAAGAAAGACCAAGGGTATTTATTAACAAACATTTTCTTTAATCTGGAAT
 TGTCACATGTTCCAGAGAAGAGAGGGAGAACCCAAACCCACAGGCCTGCCACCTATCAGC
 TAAGAGGCATCTGTGCAGATCTTTATCATAATACTTTCTCAGGTTATTTCCAAATCCAA
 TTTAATGGATATTCAACTGACACTCAAGAGTCAGCTTTAAAGGACTATA

TABLE 8B

SEQ ID NO: 3564: found in patent publication WO99/57132 (SEQ ID NO:105)

CCCTTAGCGTGGTCGCGGCCGAGGTACTAAGAAGAACATGAACTGTTCCGTCTCAATT
CCAGCTTATCTTCAACACTTTCTTTAATGTGTGAAAGATGCTCTAATTCTTTTCCAGAG
CCTCTAGTTCCTTTAATGTCTCATGCCTGTCTGGATGGTGTGAATCACTTTTGCCAAAG
CATCATATTCTTGGCGATTTTTTCGTATTGCTTTTGCTTGAAGAATTGCTTTTGCCT
CAGCAATTTTTTCATGTGCTCCAGCTATGCTACATTCTATTTCTTGTAATTTTTTCAT
AATTTTCCATTTCTCTGAGATTCATATCATATACTA

SEQ ID NO: 3565: found in patent publication WO99/01465 (SEQ ID NO:106)

CCCTTAGCGTGGTCGCGGCCGAGGTACCCAACACTACGTTGAAGTATTCTTTATCCCTGC
CACAACCTTCATTAACCGCATACTCCTTATTATCTGTGTTTCCACGAGATTCTTGTAATT
TGCATAATCCTCAAGAATGGAATCCACATTCTTCTTGGCAGGAAGATAAAAGAGCTGTTT
TTGCCTGGTAATTAAGTCCAGTCATCAACAAGCCACGGTTTTAGCTCTTCCCGCGTAC
CTGCCCCGGGCGGCCGCTCGAAAGGG

SEQ ID NO: 3566: found in patent publication WO98/56804 (SEQ ID NO:107)

CCCTTTTCGAGCGGCCGCCGGGCAGGTACAAATTGAGCTCTCTATTTCATAACCTCAATGT
ATGTATTCTTGCTCATTAATATACTTTGCACCAGCAAAAGCGATTTCCAACATATGTGTT
TTGGAGGTAATTAAGTAACTCTGTATAAAAATAAATGCACTTTTCCCTCCTTTCCCCAGT
GAATGGAAAACCTTCATACTTTCAAATAATAATAAAAAAATAATTTTAAAGAGCAACA
GCCCTCAACTCTTTGCTGGTGCCTGCCATACTGCCTTTCTTCACTCCATTCTTAGCTCTG
CTAGTTTCTTCTTGATGTCATGATAAAAAG

SEQ ID NO: 3567: found in patent publication WO99/21980 (SEQ ID NO:108)

CCCTTAGCGTGGTCGCGGCCGAGGTACCTNCCTTTGCCAAGCCATNCTGGATGAAACCAA
AGGAGATTATGAGAAAATCCTGGTGGCTCTTTGTGGAGGAACTAAACATTCCTTGATG
GTCTCAAGCTATGATCAGAAGACTTTAATTATATATTTTCATCCTATAAGCTTAAATAGG
AAAGTTTNTTNANCAGGATTGCANNGNAGCTACCTACATGCTGAAAAATATAGCCTTTAA
ATCATTNNTATATTATACTCTGTATAATAGAGATAAGTCCATTTTTTAAAAATGTTTTTC
CCCAAACCAT

SEQ ID NO: 3568: found in patent publication WO99/58660 (SEQ ID NO:109)

CCCTTTTCGAGCGGCCGCCGGGCAGGTACCTCTTGGAACCTCAATGCAAGATAGTGTT
TCAGTGCTGGCATATTTTGGAAATCTGCACATTCATGGAGTGCAATAACTGTATAGCT
TTCCCCACCTCCCACAAAATCACCCAGTTAATGTGTGTGTGTGTTTTTTTTTAAAGGTAA
ACATTACTACTTGTAACTTTTTTCTTAGTCATATTTGAAAAAGTAGAAAATTGAGTTAC
AATTTGATTTTTTTTCCAAAGATGTCTGTTAAATCTGTTGTGCTTTTATATGAATATTTG
TTTTTTATAGTTTAAATTGATCCTTTGGG

SEQ ID NO: 3569: found in patent publication WO98/39446 (SEQ ID NO:110)

CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TT

SEQ ID NO: 3570: found in patent publication WO99/22243 (SEQ ID NO:111)

CCCTTAGCGNGGTGCGCCNCGNAGNACCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TT

SEQ ID NO: 3571: found in patent publication WO99/63088 (SEQ ID NO:112)

CCCTTAGCGGCCGCCGGGCAGGTACAATGGTCTTCCACACTAGAGACAAAGGCAATGAG
GTGAACGCAGAACGGATGAAGCTCTTACACCAAGTGTCACGAGTCTGGAGAACAGATGGG
TTGAGTAGTTGTTCTTATAAATTAGTATCTGTGGAACACAATCCTTTATATATCAACATC
ACAGCGGATTTCTGGTTTGGTGCATGACCTGGATCTTTTGGTGATGTTTGAAGAAGCTG
ATCTTTGTTTGCAATAATTTGGCCTAGAGACTTCAAATAGTAGCACACATTAAGAACC

TABLE 8B

TGTTACAGCTCATTGTTGAGCTGAATTTTCCCTTTTGTATTTTCTTAGCAGAGCTCCTG
GTGATGTAGAGTATAAAACAGTTGTAACAAGACAGCTTTCTTAGTCATTTTGATCATGAG
GGTTAAATATTGTAATATGGATACTTGAAGGACTTTATATAAAAGGATGACTCAAAGGAT
AAAATGAACGCTATTTGAGGACTCTGGTTGAAGGAGATTTATTTAAATTT

SEQ ID NO: 3572: found in patent publication W098/41539 (SEQ ID NO:113)
ATTCGCCCCCTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTNGGTTT
TTT
TTT

SEQ ID NO: 3573: found in patent publication W098/37094 (SEQ ID NO:114)
CCCTTCGAGCGGCCGCCCGGGCAGGTACTAATGTAATCACTGAAACCTTTTCTTGAAATA
AGGGAAGCAGCCAAACTTTGATTAAAGTTGCAAGTTCTGGGGACTTGCGGGGGTTGTCAT
AAACTGTAACAGTGGGTTTTGGTTTCAGCATGTAAATGCAACTTTGATTTTCTTGAGGACC
GATTGACCTGTCTATGTCCTGTATCCTCATGCTCATCATCTCAGCAGGCCTGAGAGGCTG
GGTCAGTTTGGGTGTTTCATCATGAGGATTGCTTCTGCCATGGAGCTGATGGACGTGGGCA
GGTTGCTGAGAAGGTGGGGTGAAAGTGAGTGCCGGGGGTGGGTGAGTGCCCTGGTCTGT
TCATAGGGGAGCCTTTCCCTAGCAGTGGAAACGCTGTGGTCATTTTCTCTAGCATATTTCC
TTGGGAAGTCTAGATTTGCTATTAATCTGGCTGAGAATCTAAGTTCTGTGCCTTAGAGAC
AGTTTGCACTTTCCCATATTGTGCCTGGGACAGCCATATGATTTTTTTTCCCAACAAACA
AGTATGCAAACAGAAACAGTTCAAAGGGGATGGAGTAAAGATGANGCAGTAGAAATG
CCTTTGAATGGTTTCTGNANCTAATTTCTTTAAATTT

SEQ ID NO: 3574: found in patent publication W099/51739 (SEQ ID NO:115)
CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTGGCAGCTAA
AGATATACAGATTACTGTAAATTGCAGTCCTTTTTTTTTAAAGATATTTTCTTGAGTTA
TTTANAACATGGTAAGCCTGGTATTTTTTAATCAAACAAAATATTATGAAATGGGTTTT
CTCTTAATTTCTGGATTCATCATGGCTTTCTAATACCAATTGTAATATTTACAATATTCAC
CAAACTTANAATTTTGCAATGCTGGAATTTCTGCCAGTGTTCCTTGCTAAGCCTTGCA
TGCAAAATTTGAAATTTTAACATTGGCACCACCAACCTACATGGAATGTATGTCTGGAGT
ATTTCAAACTTTACATTGAAACATAATTTCTTGAAAACAAACCATAAGCCTGAGGAGG
TTTTTATCAACTGGAATGCTTTATATTAGTTTGTTTTTTCACTGTACCTGCCCCGGCGGCC
GCTCGAAAGGG

SEQ ID NO: 3575: found in patent publication W098/39446 (SEQ ID NO:116)
CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTNNAT
TTT

SEQ ID NO: 3576: found in patent publication W099/53040 (SEQ ID NO:117)
CCCTTCGAGCGGCCGCCCGGGCAGGTACACAGGAGGCAAAGTGTTTCACATCATAGACTT
CACTTCCAACCTCCTTGAATGTTTCATTTCTTTGGCTTACAGGAGAGACTAGACAGGAAGG
CCAGGCAATGCTTAGGCAACTAAAATGAGGTTGGGGTAATGCTAACGTCACCTTCACAG
GGATGGCCACGGGGACTGTTATTGCAAGCTGGTTTTCTAGACCTGTTAGCTGGAAGCAT
GGTGAGCACCATTCTGACGCTCAGGCCGTGTCGGGCTTCAGTCATCTCCACCACACAG
GTACCTCGGCCGCGACCACGCTAAGGG

SEQ ID NO: 3577: found in patent publication W098/56804 (SEQ ID NO:118)
CCCTTAGCGTGGTCGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTGGCTAC
ATTTTACTTTATTTTGTGTAAGGAAAACCAATTGACTAAGTTGTCCCCAAATGTTAGT
GTTCACTGATCAAGAGGGAATGAGGTCAGAAGGCAAACCTTTCACTTNTTCTCAAACAT
AAATTGCAAGTATCACANAAAATTGTAACAACACATGCAACACGGGATGGCTTTCAACAC
ACAGAGAGCCTAAGCAAGAAGAGTGAGTACCTGCCCCGGCGGCCGCTCGAAAGGG

SEQ ID NO: 3578: found in patent publication W099/04265 (SEQ ID NO:119)

TABLE 8B

CCCTTAGCGTGGTTCGCGGCCGAGGTACCAAAGGCGACAGCTGCCCATTCCGTCAGTGTGA
AGCTGCAATAGGAAATGAAACTGTTTGACATTATGGCAAGAAGGGCGCTGTTTTTCGACA
GGTGTGCAGGTTTCGGCACATGGAGATTGATAAAAAACGCAGTGAAATTCCTTGTTATTG
GGAAATCAGCCAACAGGATGTCAAAATTAAGTGCCTTTCCATCACAATAGAGGACG
ATATGTTGATGGCCTTTTCCTACCTCCGAGCAAACTGTGTTGCCCACTGTGCCTGAGTC
ACCAGAAGAGGAAGTGAAGGCTAGCCAACTTCAGTTCAGCAGAACAAATTGTCTGTCCA
GTCCAATCCTTCCCCTCAGCTGCGGAGCGTTATGAAAGTAGAAAGTCCGAAAATGTTCC
TAGCCCCACGCATCCACCAGTTGTAATTAATGCTGCAGATGATGATGAAGATGATGATGA
TCAGTTTTCTGAGGAAGGTGATGAAACCAACCTACCTGCAACCAACTNCTGAAGT
TCACAATGGATTACGAGTGACTTCTGTCC

SEQ ID NO: 3579: found in patent publication WO99/63088 (SEQ ID NO:120)

CCCTTAGCGTGGTTCGCGGCCGAGGTACCAAAAGAAGAAACCAATGGGGACGAGTTGGCA
ACGGAATCTGAAGTGCTCTAGCTGCAAGGTAGATGCAAGCACATGCTATAGTCTCTGGTT
GAAATCGAACAAACACATTGGTTCGAAGACTGTCAATTCATGTAATTCCTGAAAAATATTT
CAACTATAAGCTTGCAATGTAACAAACAGTTCCTTCTGAAGCTTACATAAAATTGGAGAC
TCAATCTACTTTATTTCTTTTCTTCTCTTATTTATATTACATCCTCATATTCTAGCAT
ATAACAACCTTTAACTCAAAAAAATCAGTAAGCAATAAGAATTTAATACTAGGACCATAT
GCGATTTTCTTATATATAGAGCGAAGCCCTTTTAAATTATTTTCATATTACAATCCAACTA
GAAATTACTCTAAAAAGTTAATATATTTCTGTAAAAAGCAATGCTTTTCAAAGTCATTC
TGACACGATTAGTTTCAGAAATGATAAACCCTCCAATAATACTTCAAGCCATTAATTAC
TGACCATCTCTCCTTTNTCACAATAAAAGCAGTGTCAACCAAGTCTTTTCAAAGCTCA
AAATACCGTTAACAGGG

SEQ ID NO: 3580: found in patent publication WO99/54460 (SEQ ID NO:121)

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACAGAGCCCTGTTATTTTCTCTTTGGCCCTAT
TTGGCTGCTTTTATTAATGCATCAGAACTTTATGTATAATCATATGGATTTATACGTAA
TTAAGAAAAATGTCCATTTTCATTTCAGTTCATATGTTCTAAACGTATTGCTGATCATTCT
TAAATGAGACTCCAGGTTTACATTCTTACATAAAGTGCAGGGATCCCGAAGTTAGCCCCA
AAGATCCCCTTGCCCTTTTTCAGACTTGCTCAAATGTTACCTTATCAGTGGGGCCTTTCTCT
GACCACACTTTAAAAACCTCAACACCCACCCATGGGCCTTGTCCTCCTTCCCGGCTTCAT
TTTTTGGCATATACTTATCAAATGTGAACATATGATGCATTGCTTTAT

SEQ ID NO: 3581: found in patent publication WO99/46374 (SEQ ID NO:122)

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACTTTNTTTTTTTTTTTTTTTTTTTTTTTT
AAANNCAAAATTAAATTTTNTTTTACATTGNTNGAAACNTGAAAAACNTTTACNCTTTN
CCAT

SEQ ID NO: 3582: found in patent publication WO99/28334 (SEQ ID NO:123)

CCCTTGAGCGGCCGCCCGGGCAGGTACGCGGGGCTTCTAGTTTGCGGTTTCAGGTTTGGC
CGCTGCCGGCCAGCGTCTCTGGCCATGGACACCCCGGAAATGTCCTTCAGATGCTTGA
AGCCACATGCAGAGCTACAAGGGCAATGACCCTCTTGGTGAATGGGAAAGATACATACA
GTGGGTAGAAGAGAATTTTCTGAGAATAAAGAATACTTGATAACTTTACTAGAACATTT
AATGAAGGAATTTTGTAGATAAGAAGAAATACCACAATGACCCAAGATTCATCAGTTATTG
TTTAAATTTGCTGAGTACCTCGGCCGCGACCACGCTAAGGG

SEQ ID NO: 3583: found in patent publication WO98/39421 (SEQ ID NO:124)

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TT

SEQ ID NO: 3584: found in patent publication WO99/04265 (SEQ ID NO:125)

CCCTTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGGGGATACTACTAGGGAAAGCAGAAGA
TCTGAATCACTGTCCCCAAGAAGAGAAGCTTCTAGAGAGAACAAAAGATCTCAGCCAAGA
GTGAAAGATTCTTCCCAGGAGAAAAATCCAGGTCCCAGAGCAGAGAACGAGAAAGTGAT

TABLE 8B

AGAGATGGGCAGAGGAGAGAGAGAGAGAAAGGAGAACCAGAAAGTGGTCTAGGTCCAGATCT
CATTCTAGGTCCCCCTCAAGATGTAGAACAAAAAGTAAGAGTTCATCATTGTTGGTAGAATT
GACAGAGATAGTTACTCTCCCCGGTGGAAGGGAAGATGGGCAAATG